

Appl. No. 10/047,708

Reply to Office Action of April 7, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-9. (Canceled)

10. (Currently Amended) A passenger in-flight entertainment system comprising: airborne server that sources data;

first digital network that receives data from the airborne server;

cable modem terminator that accepts data from the server by way of the first digital network and modulates a carrier signal according to the data;

radio frequency distribution subsystem that propagates the carrier signal throughout an aircraft;

cable modem that accepts a carrier signal from the radio frequency distribution system and extracts digital data therefrom; and

secondary digital network that accepts digital data from the cable modem that was extracted from the carrier signal by said cable modem, and

a network address translator that accepts network requests from the cable modem terminator and conforms said request to the address scheme of the first digital network, the network address translator comprising:

user registration unit that accepts registration requests from passenger personal electronic devices and maintains a list of personal electronic devices that have registered for off-aircraft services and creates routing directives for each network request received from the cable modem terminator; and

address translation unit that accepts routing directives from the user registration unit and translates the address of network requests in order to direct the request to the airborne server if the routing directive indicates that the personal electronic device sourcing the network request has not registered for off-aircraft services and direct the network request to a communications unit if the routing directive indicates that the personal

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electronic device sourcing the network request has registered for off-aircraft services.

11. (Original) The passenger in-flight entertainment system of Claim 10 further comprising:

passenger personal electronic device attachment interface that accepts digital data from the secondary digital network and propagates the digital data to personal electronic devices connected thereto.

12. (Currently Amended) The passenger in-flight entertainment system of Claim 11 wherein the cable modem accepts a network request from a personal electronic device attached to the personal electronic device attachment interface and modulates a request-carrying carrier signal according to the network request and wherein the radio frequency distribution subsystem propagates the request-carrying carrier signal back to the cable modem terminator and wherein the cable modem terminator extracts network requests from the request-carrying carrier signal further comprising:

~~network address translator that accepts network requests from the cable modem terminator and conforms said request to the address scheme of the first digital network.~~

13. (Canceled)

14. (Original) The passenger in-flight entertainment system of Claim 10 wherein:

entertainment content is stored in the airborne data server and is directed to the first digital network and wherein the entertainment content is received in aircraft integral devices or personal electronic devices attached to one of the secondary digital networks.

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15. (Original) The passenger in-flight entertainment system of Claim 10 wherein the cable modem terminator comprises a DOCSIS compliant device.

16. (Original) The passenger in-flight entertainment system of Claim 15 wherein the first digital network is an Ethernet.

17. (Original) The passenger in-flight entertainment system of Claim 10 wherein the modulated carrier signal is a DOCSIS compliant signal and the cable modem is a DOCSIS compliant device.

18. (Original) The passenger in-flight entertainment system of Claim 17 wherein the secondary digital network is an Ethernet.

19-20. (Canceled)